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NM Karnik, AR Tripathi - IEEE concurrency, 1998 - Citeseer

... This makes the application's task of tracking its agents ... mechanisms are needed so that an agent can carry ... may be needed for metering of resource usage, such as ...

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[\[PDF\]](#) ► Reflective negotiating agents for real-time multisensor target tracking

LK Soh, C Tsatsoulis - International Joint Conference On Artificial Intelligence, 2001 - iitc.ku.edu

... form temporary coalitions to perform a task, with each agent in the ... for our system is multisensor tar-get tracking, a distributed resource allocation and ...

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**Sumatra: A language for resource-aware mobile programs-** ► kfupm.edu.sa [\[PDF\]](#)

A Acharya, M Ranganathan, J Saltz - Lecture Notes in Computer Science, 1997 - Springer

... Agent-Tcl [15], Telescript [26] and Aglets [20] ... It also allows applications to abort tracking if need ... by activating counters that keep track of resource usage. ...

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**Strong mobility and fine-grained resource control in NOMADS-** ► soton.ac.uk [\[PDF\]](#)

N Suri, JM Bradshaw, MR Breedy, PT Groth, GA ... - Lecture Notes in Computer Science, 2000 - Springer

... Third, tracking of resource usage enables accounting and billing mechanisms that hosts may use to calculate charges for resident agents. ...

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**Mobile objects and agents (MOA)-** ► sagecertification.org [\[PDF\]](#)

DS Milojicic, W LaForge, D Chauhan - usenix.org

... than a technical-decision not to use RMI for ... also in the sandbox, AC, and agent/place interfaces ... and sandbox components were shaped to enable resource tracking. ...

Cited by 107 - Related articles - BL Direct - All 21 versions

[\[PDF\]](#) ► Information-driven dynamic sensor collaboration for tracking applications

F Zhao, J Shiu, J Reich - IEEE Signal Processing Magazine, 2002 - cs.brown.edu

... 2. Track quality: Tracking errors, track length, robustness against sensing gaps. ... 5. Resource usage: Power/bandwidth consumption. ...

Cited by 443 - Related articles - View as HTML - BL Direct - All 17 versions

[\[PDF\]](#) ► An overview of the nomads mobile agent system

N Suri, JM Bradshaw, MR Breedy, PT Groth, GA ... - Proceedings of ECOOP, 2000 - ecs.soton.ac.uk

... Third, tracking of resource usage enables accounting and billing mechanisms that hosts may use to calculate charges for resident agents. ...

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[\[PDF\]](#) ► MACRON: an architecture for multi-agent cooperative information gathering

K Decker, V Lesser, MVN Prasad, T Wagner - ... CIKM-95 Workshop on Intelligent Information Agents, 1995 - dis.cs.umass.edu

... allowing the intelligent assignment and tracking of limited ... to some depth), network resource usage, and monetary ... the complications of a multi-agent system, any ...

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### D'Agents: Security in a multiple-language, mobile-agent system- ► dartmouth.edu [PDF]

RS Gray, D Kotz, G Cyberiko, D Rus - Lecture Notes in Computer Science, 1998 - Springer

... mechanisms [9], and debugging and tracking tools [11 ... Now the agent is on the

destination machine and can interact with that machine's resources without any ...

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### Implementing soft real-time agent control- ► ncstrl.org [txt]

R Vincent, B Horling, V Lesser, T Wagner - ... fifth International Conference on Autonomous Agents, 2001 - portal.acm.org

... Note that the resource modeler detected the incompatibility ... Suppose next that Negotiate

Tracking is taking ... than expected, forcing the agent to dynamically ...

Cited by 35 - Related articles - All 14 versions

### Cooperative negotiation for soft real-time distributed resource allocation- ► psu.edu [PDF]

R Mailler, V Lesser, B Horling - ... International Joint Conference on Autonomous Agents ..., 2003 - portal.acm.org

... That means that in critically constrained tracking environments ... protocol was started  
was a resource requirement change ... Sensor agents can use one of a number of ...

Cited by 68 - Related articles - All 15 versions

### Agents for the masses- ► nus.edu.sg [PS]

JM Bradshaw, M Greaves, H Holmback, T ... - IEEE Intelligent Systems and their applications, 1999 - ieeexplore.ieee.org

... Java security and resource management ., R-., 1. M. Klein and C. &IMas,

"Exception Handling in Agent Systems" to be published in Pmc. ...

Cited by 76 - Related articles - BL Direct - All 9 versions

### [txt] ►A multi-agent system for intelligent environment control

V Lesser, M Atighetchi, B Benyo, B Horling, ... - ... Third International Conference on Autonomous Agents, 1999 - historical.ncstrl.org

... Agents coordinate using a resource coordination protocol ... we assumed the existence  
of supporting technology for: identification and tracking of individuals ...

Cited by 59 - Related articles - Cached - All 10 versions

### Reflections on the nature of multi-agent coordination and its implications for an agent ...-

#### ► umass.edu [PDF]

VR Lesser - Autonomous Agents and Multi-Agent Systems, 1998 - Springer

... and how the state of the resource affects the ... represents this type of environment  
by tracking a quantitative ... The agent's task structure view may change over ...

Cited by 153 - Related articles - BL Direct - All 18 versions

### Principled communication for dynamic multi-robot task allocation- ► kfupm.edu.sa [PDF]

BP Gerkey, MJ Mataric - Experimental Robotics VII, 2001 - books.google.com

... distributed approximation to a global optimum of resource usage which is ... model-based  
system relies on each agent's explicitly tracking the actions ...

Cited by 48 - Related articles - BL Direct - All 4 versions

### Fault-tolerant execution of mobile agents

LM Silva, V Batista, JG Silva - Dependable Systems and Networks, 2000. DSN 2000. ..., 2000 - ieeexplore.ieee.org

... The effective tracking of agents plays an important role in a mobile ... In a mobile  
agent system the detection of failures is much more ... iv) resource control: when ...

Cited by 66 - Related articles - All 5 versions

... to build and evaluate multi-agent systems: The java agent framework and multi-agent system ...

R Vincent, B Horling, V Lesser - ... agents, multi-agent systems, and scalable multi-agent ..., 2001 - books.google.com  
... 115 MASS is also responsible for tracking the state and ... event is created each time  
an agent uses the ... execution, such as its cost, quality and resource usage. ...  
Cited by 44 - Related articles - BL Direct - All 3 versions

Sold! Auction methods for multirobot coordination- ►stanford.edu [PDF]  
BP Gerkey, MJ Mataric - IEEE Transactions on Robotics and Automation, 2002 - ieexplore.ieee.org  
... The first, object-tracking, requires the ... resources. ... Each new task was auctioned  
(and subsequently monitored) by an automated tasking agent that was executing ...  
Cited by 338 - Related articles - BL Direct - All 16 versions

Mobile agents- ►kfupm.edu.sa [PDF]  
K Rothermel, M Schwefel - Proceedings of the 1st International Workshop, 1997 - eprints.kfupm.edu.sa  
... in classes for creating, transmitting and manipulating agent processes. ... Telescript  
provides an infrastructure for tracking and charging resource usage. ...  
Cited by 94 - Related articles - View as HTML - All 11 versions

Rapid development and flexible deployment of adaptive wireless sensor network ... - ►uci.edu [PDF]  
CL Fok, GC Roman, C Lu - International Conference on Distributed Computing ..., 2005 - doi.ieeecomputersociety.org  
... Once the fire has died, the tracking agents also die leaving only small fire detection  
agents that periodically ... The minuscule resource consumed by these agents ...  
Cited by 152 - Related articles - BL Direct - All 18 versions

[PDF] ► NOMADS: Toward an environment for strong and safe agent mobility  
N Suri, JM Bradshaw, MR Breddy, PT Groth, GA ... - Proceedings of Autonomous Agents, 2000 - Citeseer  
... Third, tracking of resource usage enables accounting and billing mechanisms  
that hosts may use to calculate charges for resident agents. ...  
Cited by 30 - Related articles - View as HTML - All 3 versions

Improving the scalability of multi-agent systems  
PJ Turner, NR Jennings - ... agents, multi-agent systems, and scalable multi-agent ..., 2001 - books.google.com  
... In this case we use a measure of the ... it does not sell), supplier model low  
coverage'(agent has to ... and incurs a high amount of resources tracking requests and ...  
Cited by 62 - Related articles - BL Direct - All 9 versions

Decentralized, adaptive resource allocation for sensor networks- ►usenix.org  
G Mainland, DC Parkes, M Welsh - usenix.org  
... Given the complexities of agent operations and unknown ... the use of Self-Organizing  
Resource Allocation in ... implemented the SORA-based vehicle tracking system in ...  
Cited by 81 - Related articles - Cached - All 14 versions

Distributed embedded smart cameras for surveillance applications- ►tugraz.at [PDF]  
M Bramberger, A Doblander, A Maier, B ... - Computer, 2006 - ieexplore.ieee.org  
... We use a master-slave approach for the ... provides the resources for the tracking agent  
on the ... the master-slave approach increases resource utilization because ...  
Cited by 77 - Related articles - BL Direct - All 10 versions

State capture and resource control for java: The design and implementation of the aroma ...-  
►fhmc.com [PDF]  
N Suri, JM Bradshaw, MR Breddy, KM Ford, PT ... - Java Virtual Machine Research and Technology ..., 2001 -  
usenix.org  
... Tracking of resource use, based on resource control ... state capture and dynamic,  
fine-grained resource control and ... a research project on mobile agent systems and ...  
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Poaching and distraction in asynchronous **agent** activities- ► umass.edu [PDF]  
MH Chia, DE Neiman, VR Lesser - ... Conference on Multi-Agent Systems, Paris, France, 1998 -  
doi.ieeecomputersociety.org  
... information in the form of texture measures [14], abstract representations of  
an agent's resource availability, current resource usage, and estimated ...  
Cited by 38 - Related articles - All 9 versions

### Agent Tcl: Targeting the needs of mobile computers

D Kotz, R Gray, S Nog, D Rus, S Chawla, G ... - IEEE Internet Computing, 1997 - ieeexplore.ieee.org  
... security mechanisms, and debugging and tracking tools. ... the memory manager might  
limit an agent to 100 ... In addition to absolute limits on resource use, we plan ...  
Cited by 190 - Related articles - All 8 versions

### Experiences and future challenges in mobile agent programming

AR Tripathi, T Ahmed, NM Karnik - Microprocessors and Microsystems, 2001 - Elsevier  
... like exception handling, activity tracking, statistical data ... available Java-based  
mobile agent platforms are ... metering and controlling the resource usage levels ...  
Cited by 44 - Related articles - All 4 versions

### A secure marketplace for mobile java agents

K Neuendorf, M Thompson - ... second international conference on Autonomous agents, 1998 - portal.acm.org  
... Lastly, tracking of resource usage serves as the foundation of any kind of accounting  
and billing mechanisms that the agent system might use to calculate ...  
Cited by 16 - Related articles - All 3 versions

### Challenges in the migration to 4G mobile systems- ► upatras.gr [PDF]

SY Hui, KH Yeung - IEEE Communications Magazine, 2003 - ieeexplore.ieee.org  
... Position-ing System (GPS) (for tracking her current ... them use mobile agents, but  
some do not [10 ... with respect to speed, accuracy, resource usage, and convenience ...  
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